

FIG. 1

(PRIOR ART)

N_{SAV}: Normal to Surface Adjacent to a Vortex

N_{ME}: Normal to Mixing Element

F: Direction of fluid flow

●: Centroid of mixing element

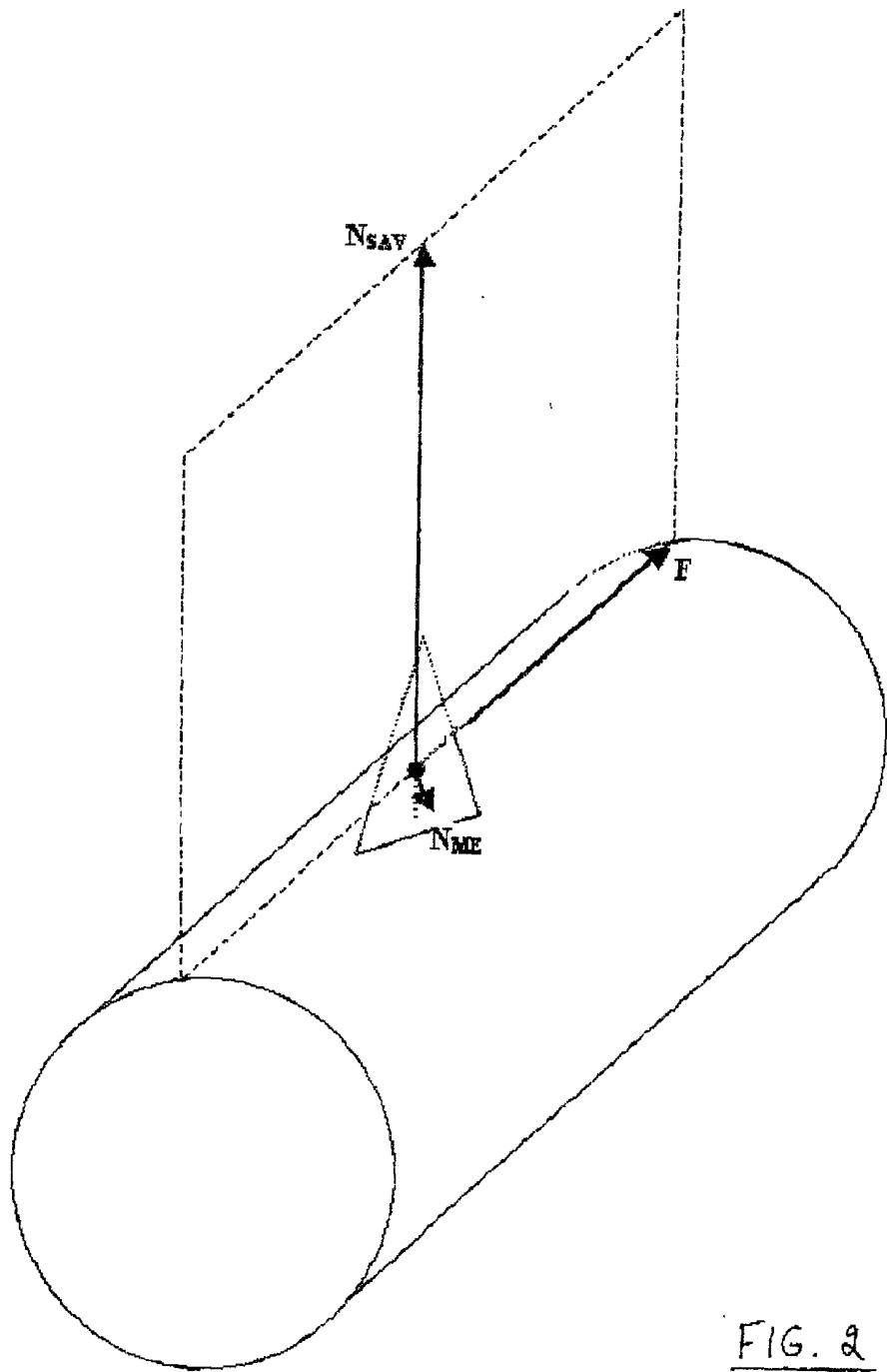


FIG. 2

N_{SAV}: Normal to Surface Adjacent to a Vortex

N_{MDS}: Normal to Mixing Device Surface

F: Direction of fluid flow

●: Centroid of mixing device

Figure 3

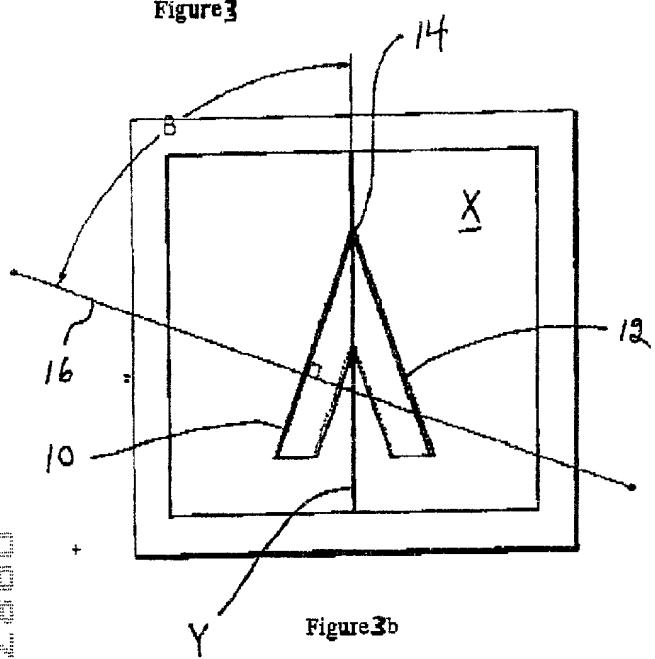


Figure 3b

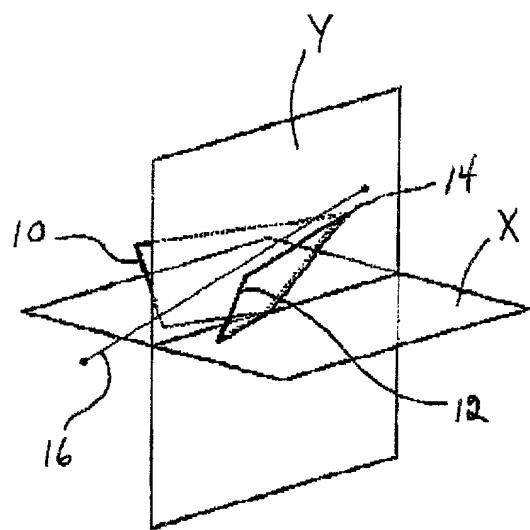


Figure 3a

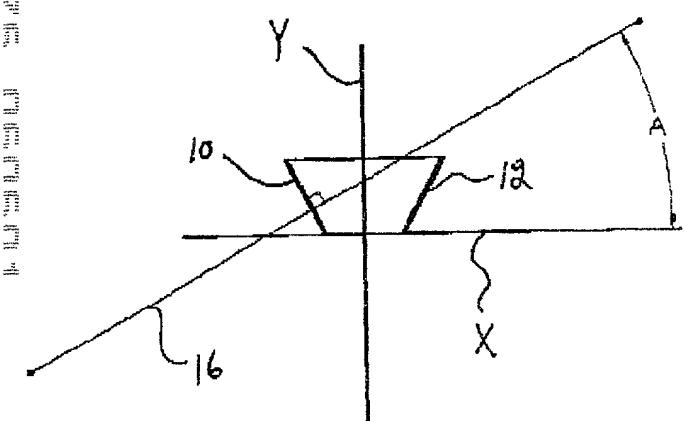


Figure 3c

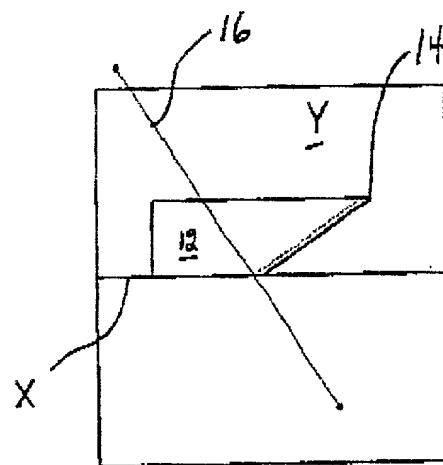


Figure 3d

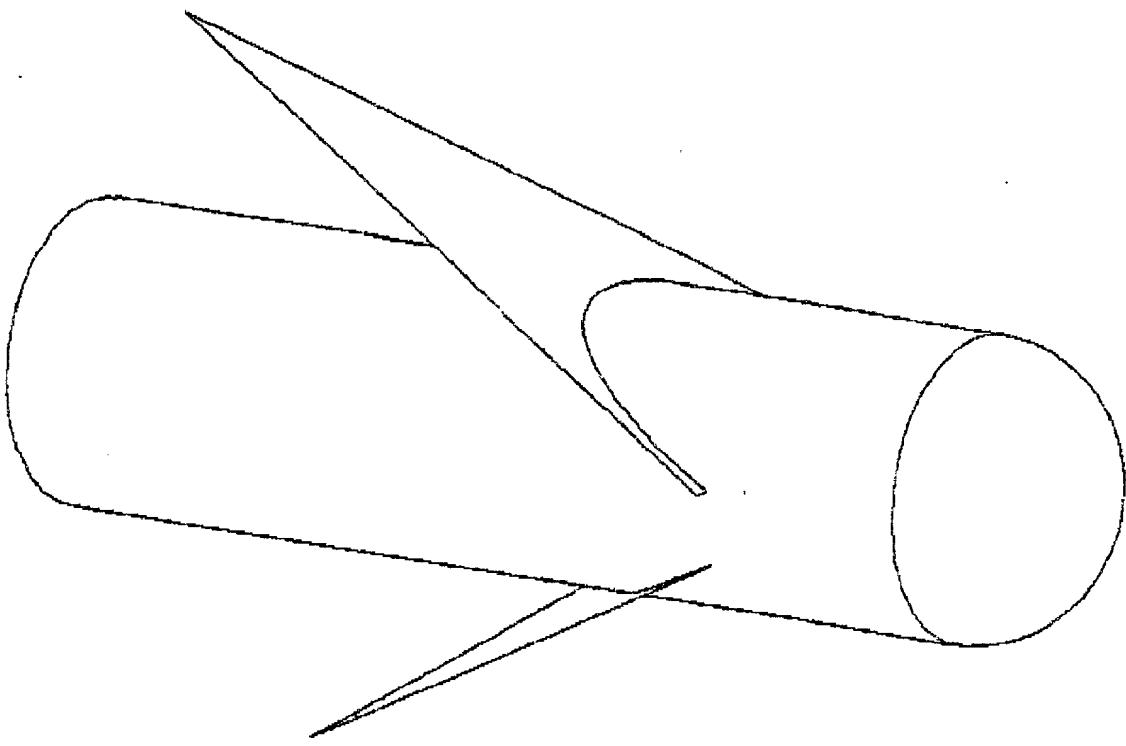


FIG. 4

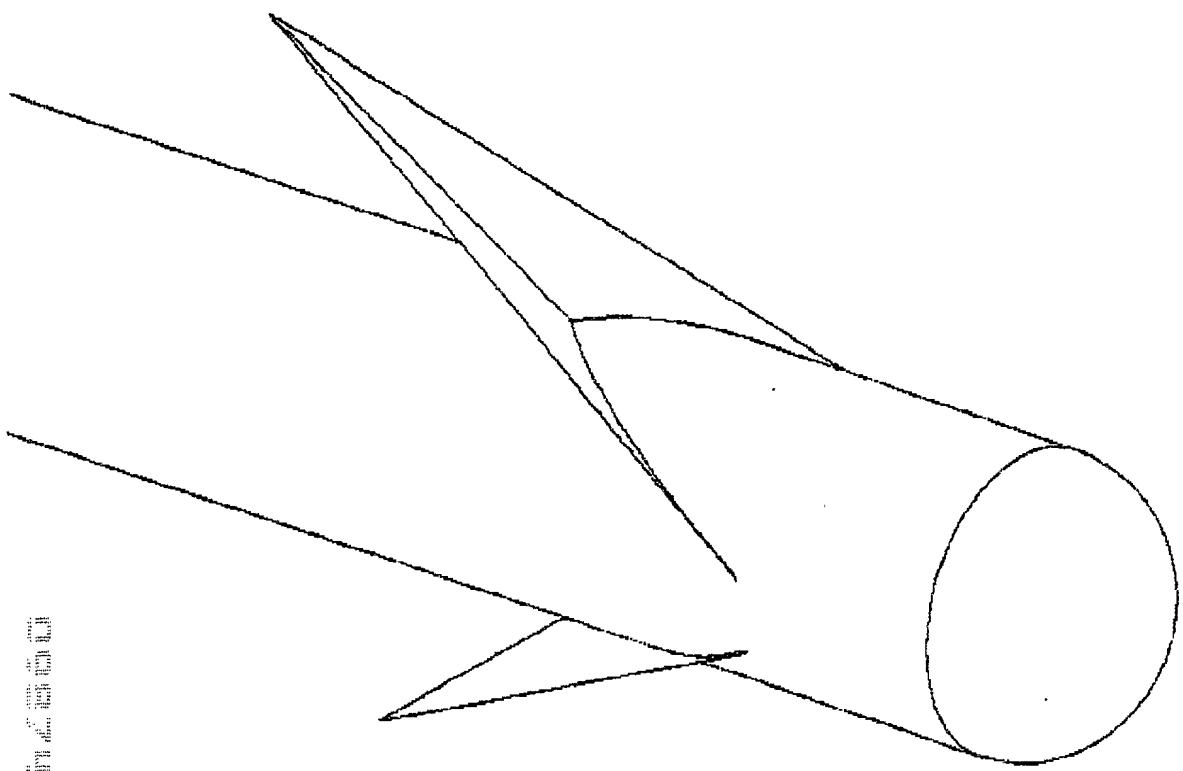


FIG. 5

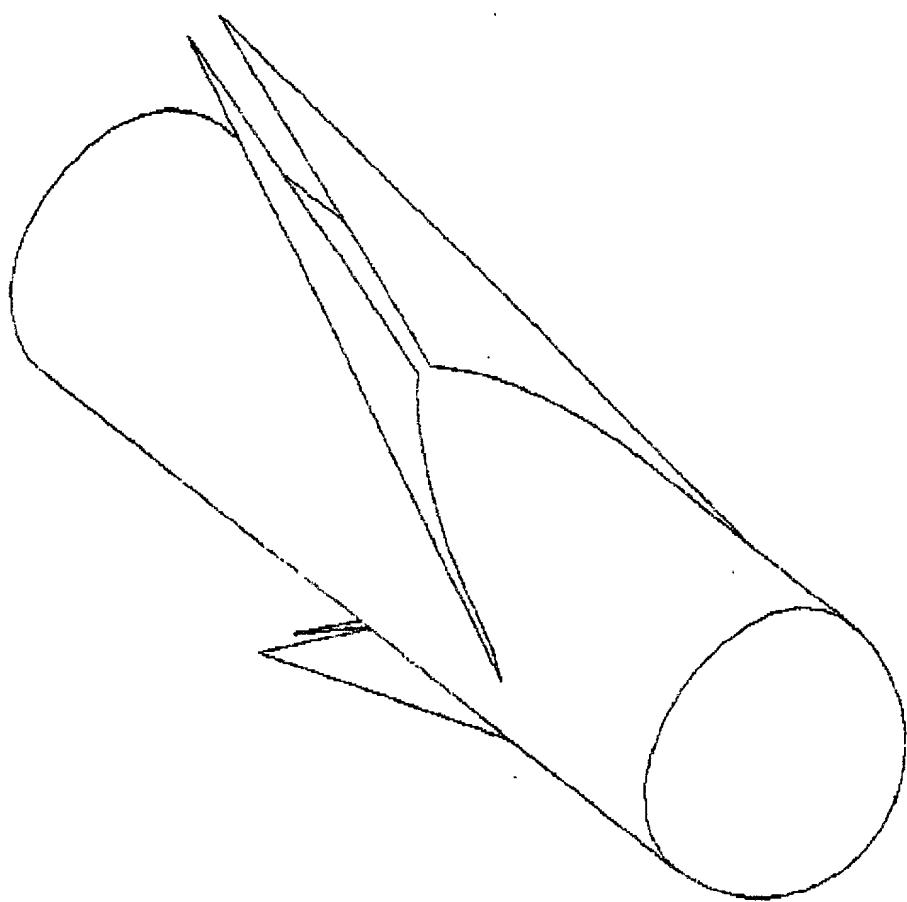


FIG. 6

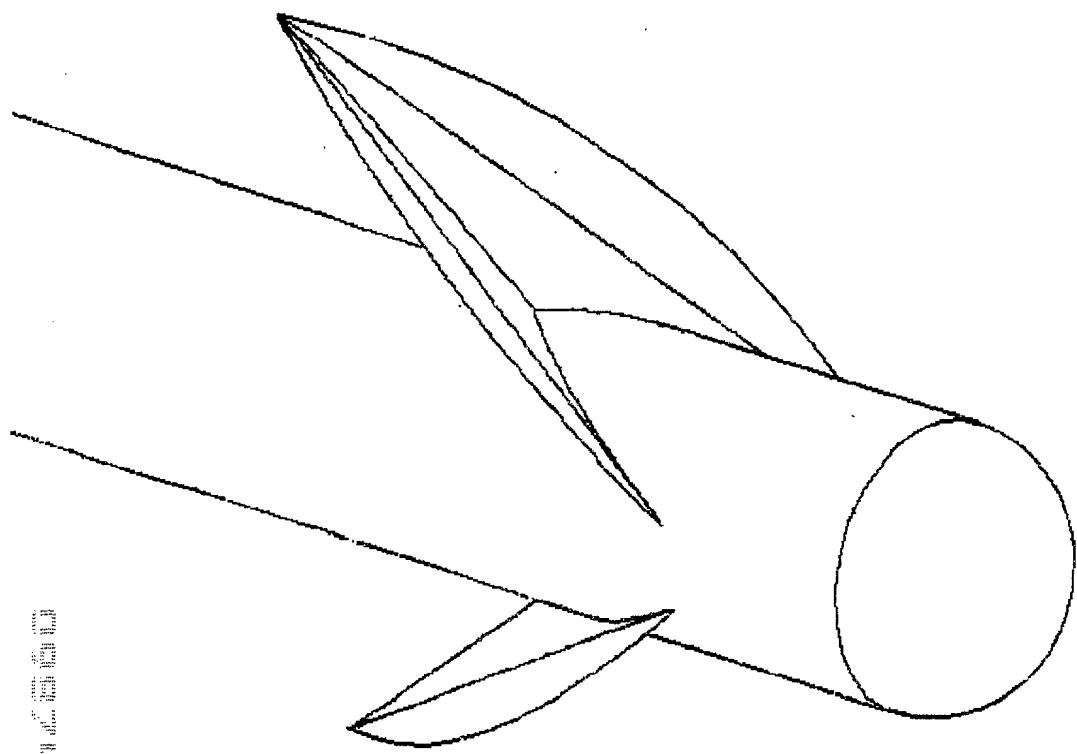


FIG. 7

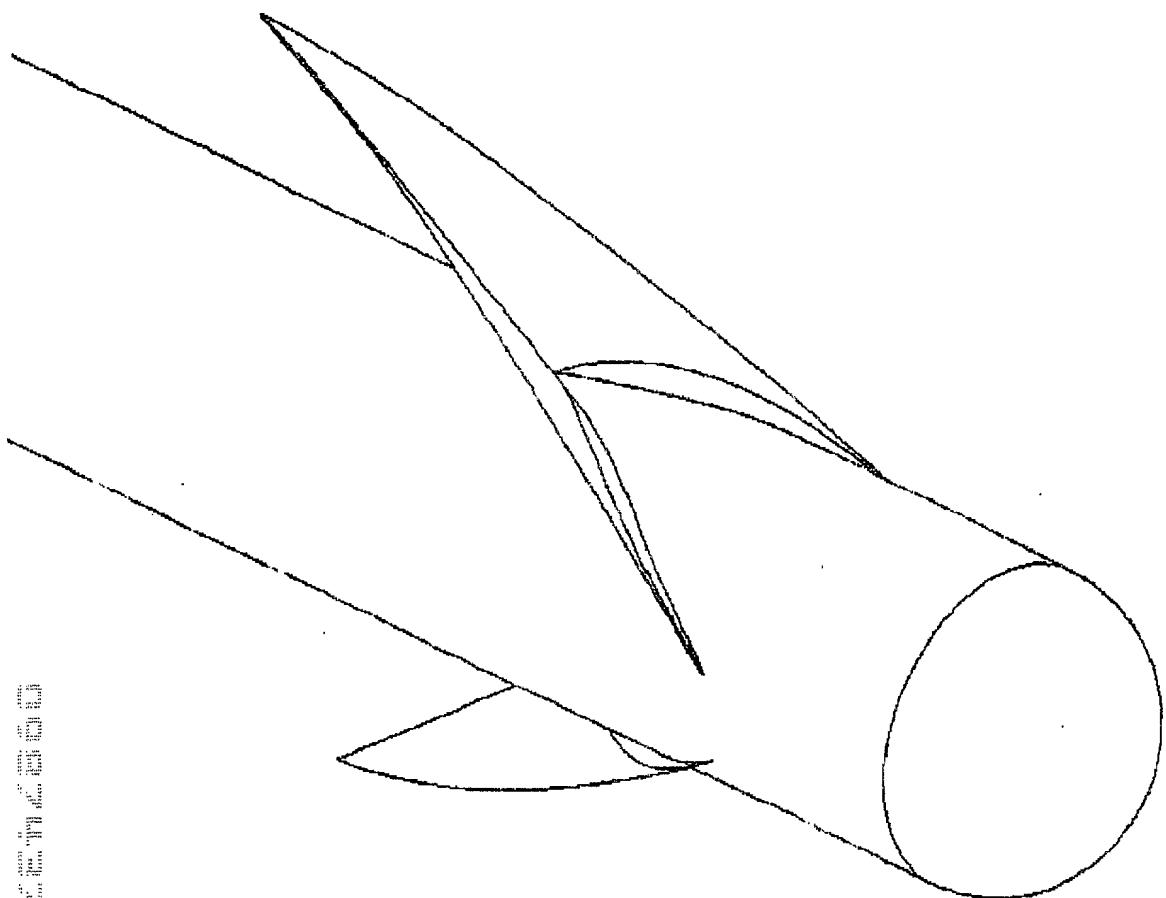


FIG. 8

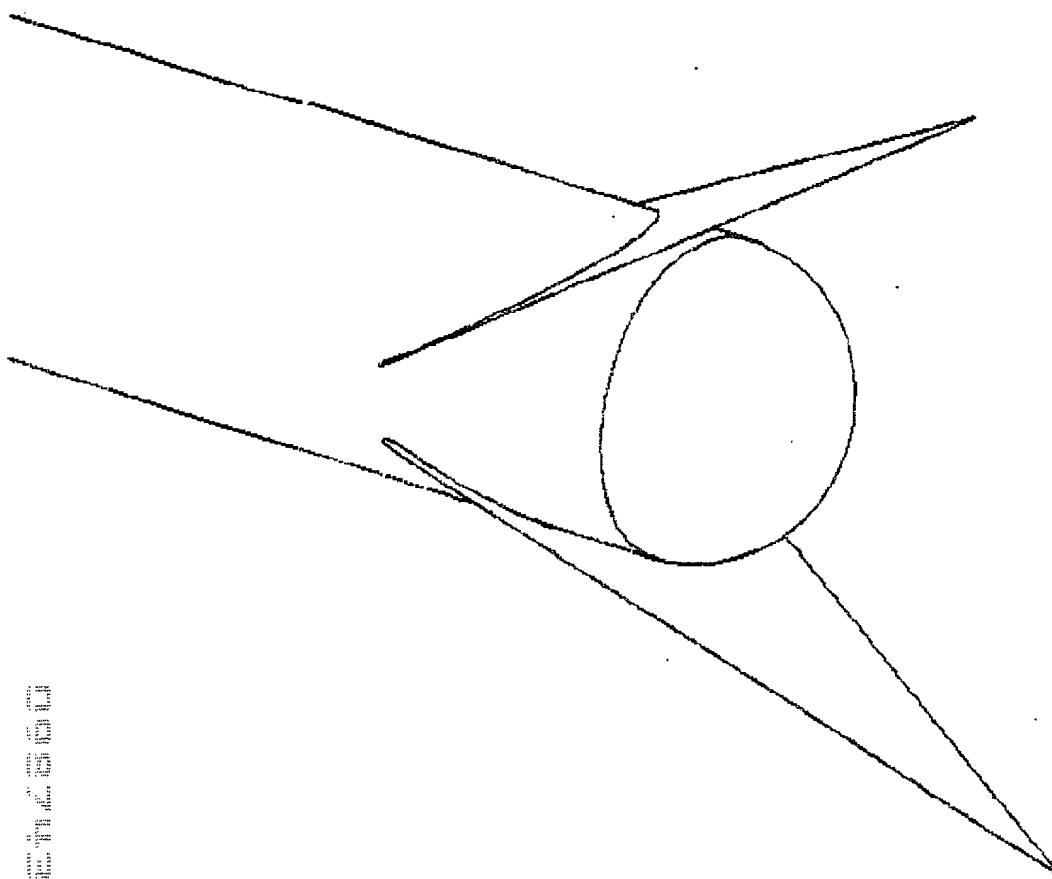


FIG. 9

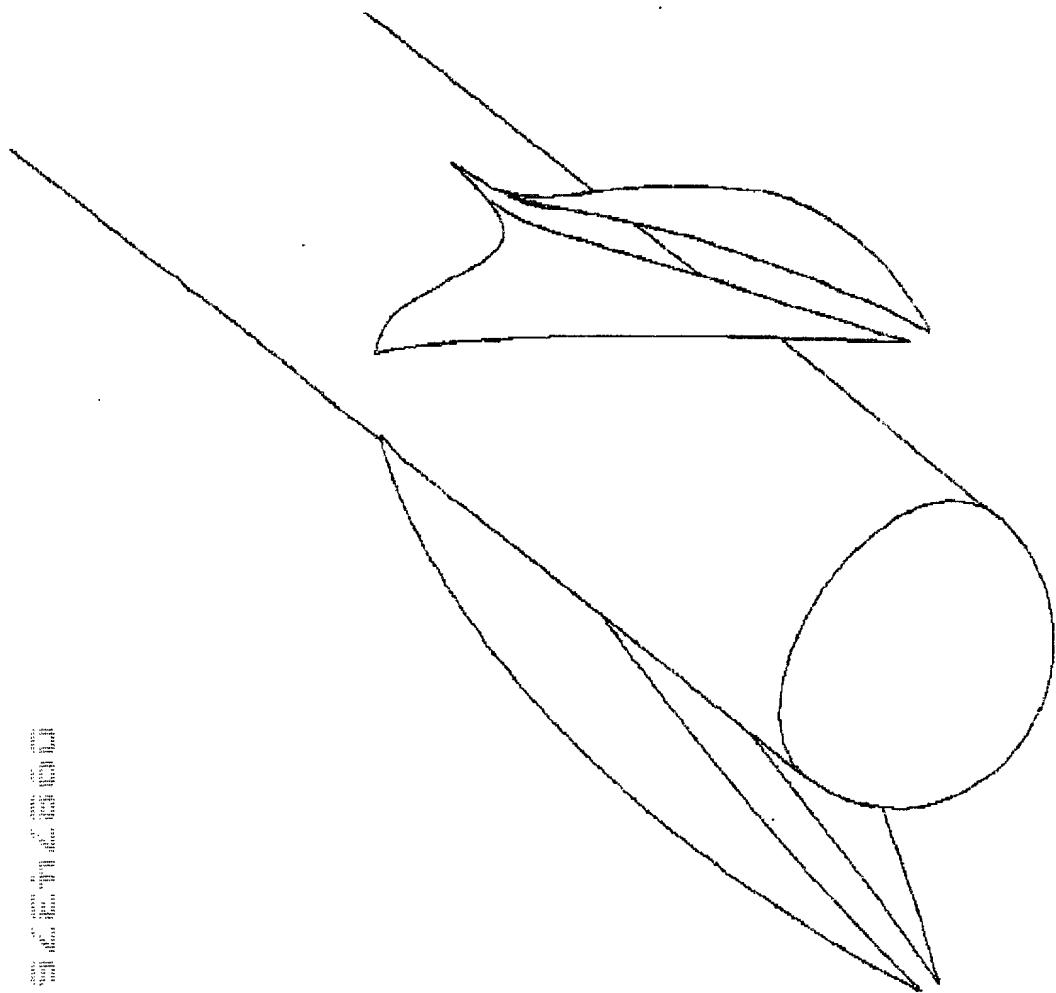


FIG. 10

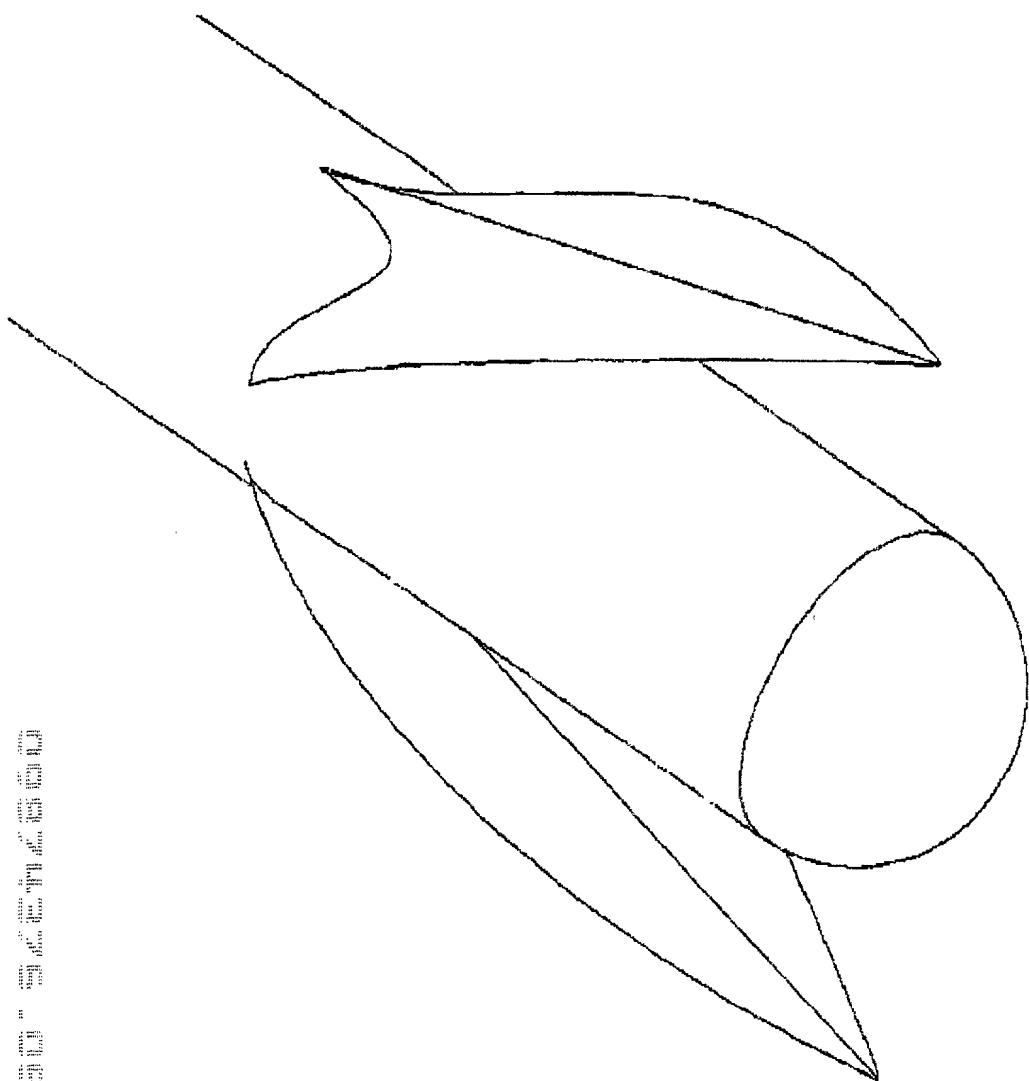


FIG. 11

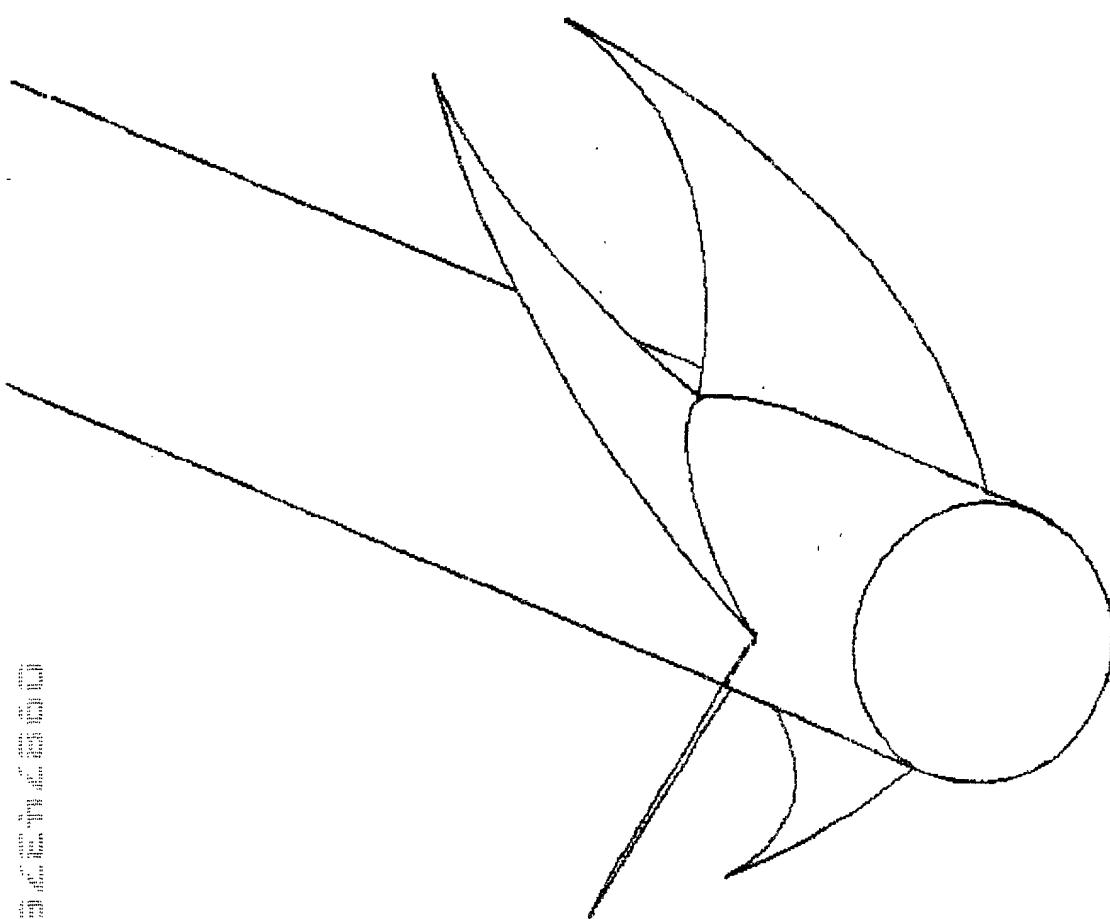


FIG. 12

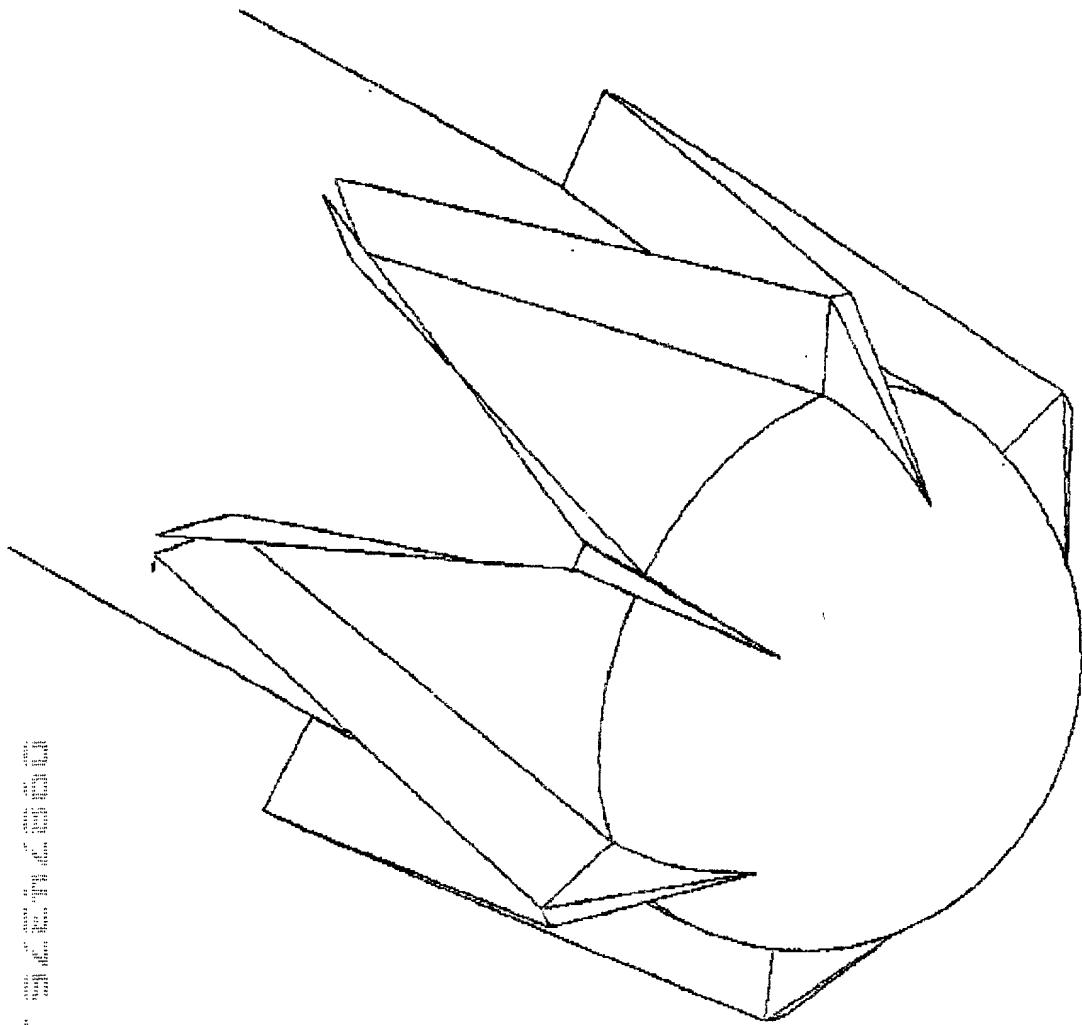


FIG. 13

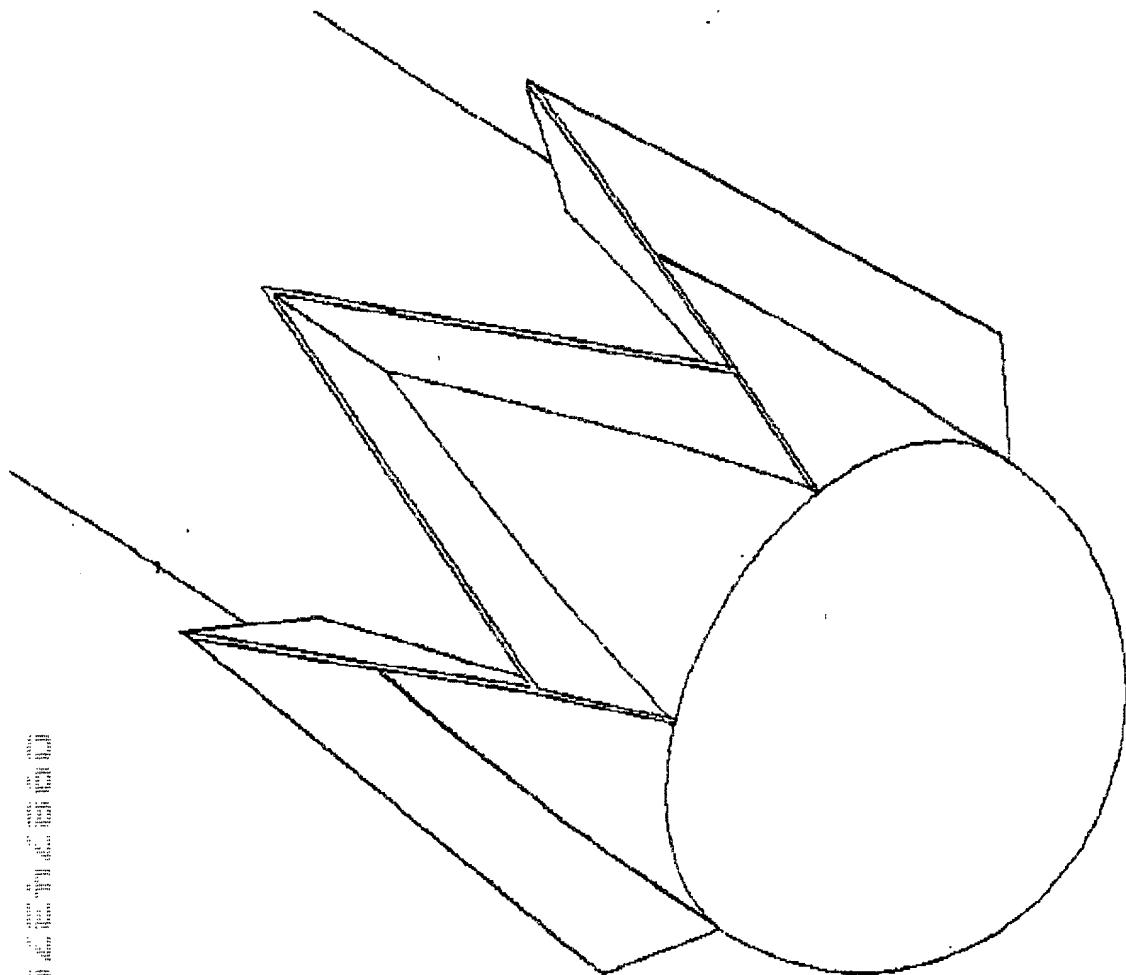


FIG. 14

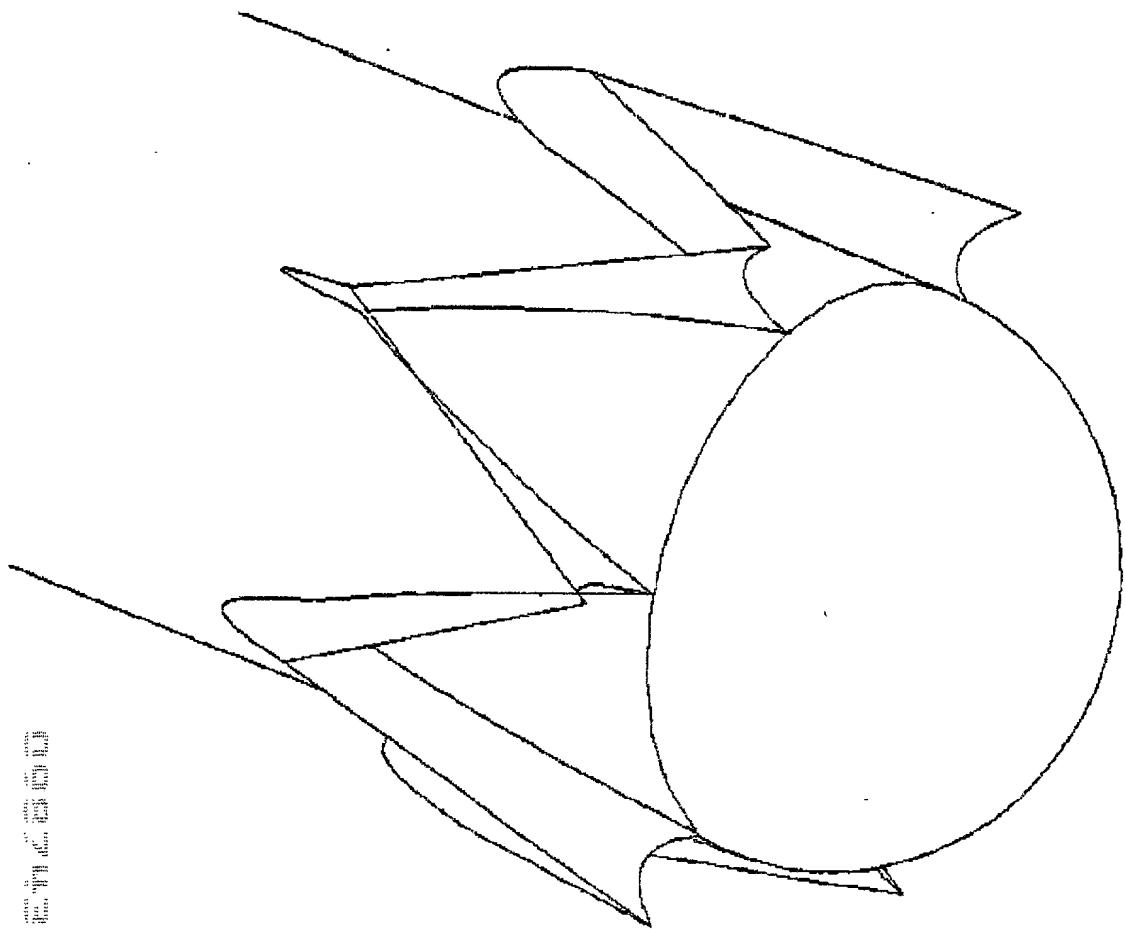


FIG. 15

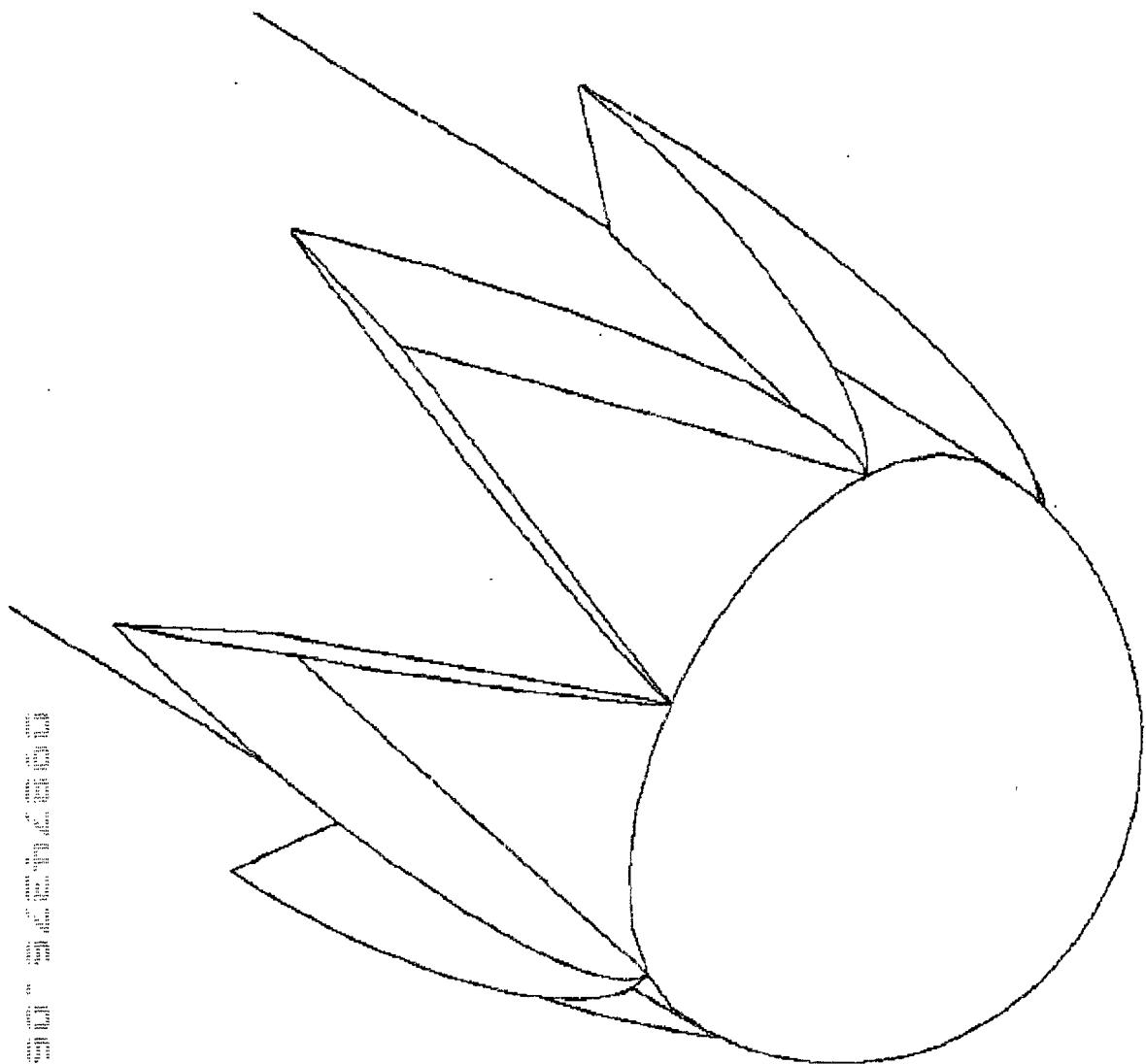


FIG. 16

Figure 17

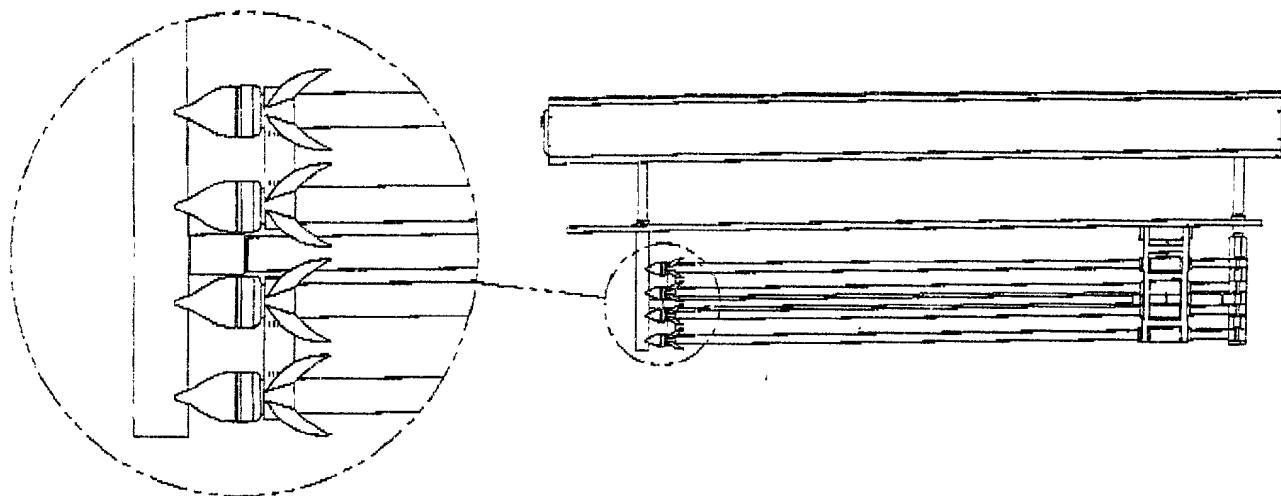


Figure 18a

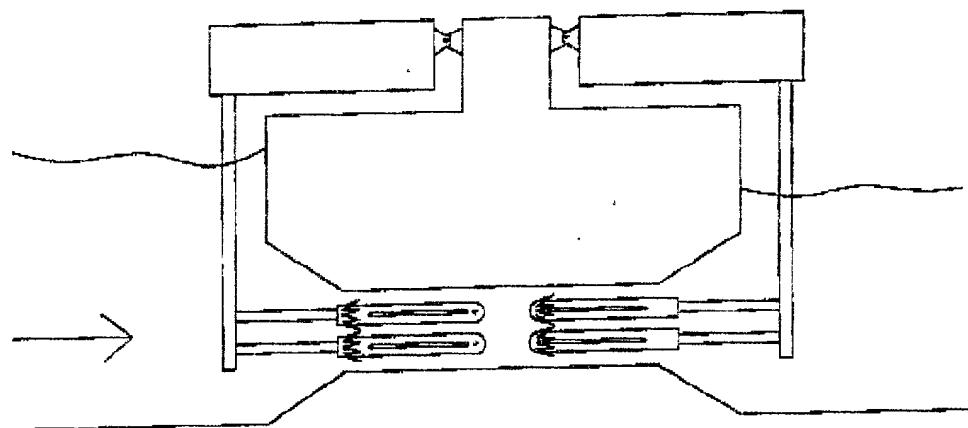


Figure 18b

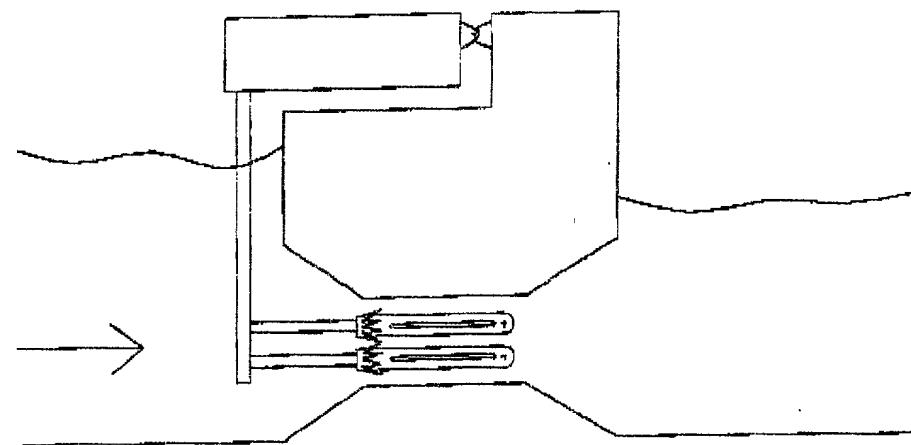


Figure 18c

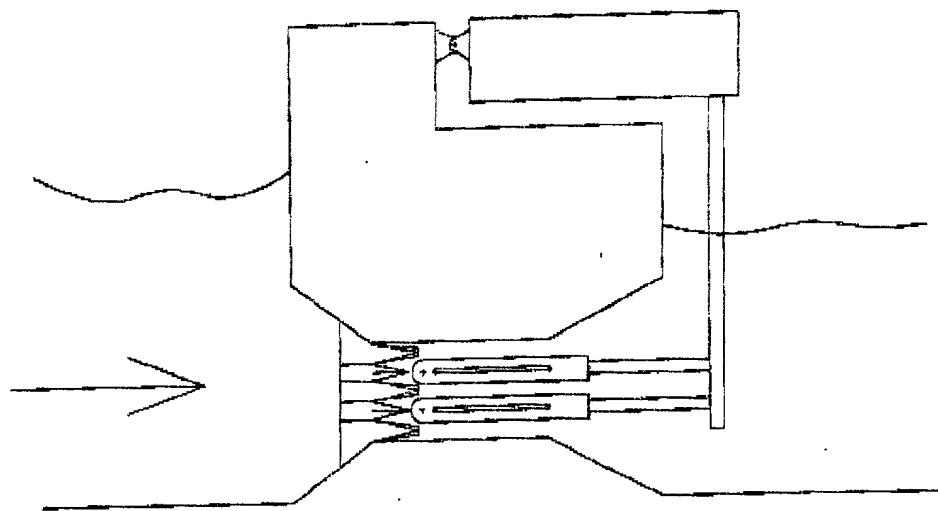


Figure 19

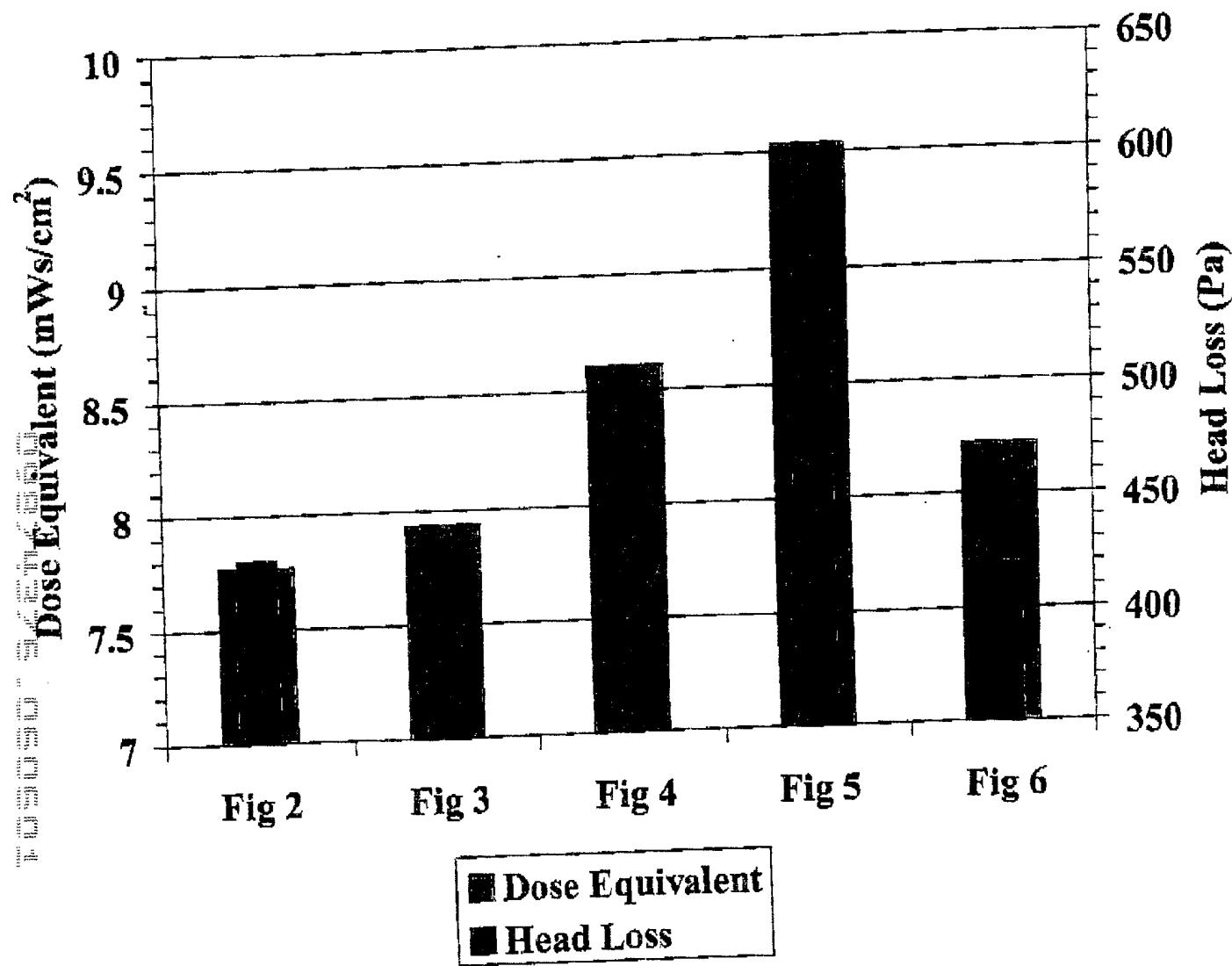


Figure 20

